

Amendment to the Claims:

This listing of claims will replace all prior versions, and listing, of claims in the application.

Listing of Claims:

1. (currently amended) A method comprising the steps of:
at a subscriber unit;
determining that there is information to transmit;
requesting an amount of bandwidth;
receiving a reservation grant, wherein the reservation grant comprises an amount of granted bandwidth and at least one timer value;
extracting the at least one timer value from the reservation grant; ~~and~~
~~using the at least one timer value to detect loss of granted bandwidth; and~~
~~starting a first timer, wherein the first timer is initialized with the first timer value; and~~
~~when a slot allocation bit is not received prior to the expiration of the first timer,~~
~~determining a loss of granted bandwidth.~~
2. (currently amended) The method of claim 1 wherein the at least one timer value is dynamically determined by the fixed network equipment based on current conditions.
3. (original) The method of claim 2 wherein the at least one timer value is based on at least one of the following: current loading conditions of an inbound channel, current radio frequency conditions of the inbound channel, a quality of service requested by the subscriber unit, a quality of service assigned to the subscriber unit, a priority level requested by the subscriber unit, and a priority level assigned to the subscriber unit.
4. (canceled)

5. (currently amended) The method of claim 4-1 further comprising the steps of, after the step of determining a loss of granted bandwidth:

failing the reservation grant; and
transmitting a second request for bandwidth to transmit any remaining information.

6. (currently amended) The method of claim 4-1 wherein the step of starting the first timer is performed after receiving a first slot allocation bit.

7. (original) The method of claim 6 further comprising the steps of:

extracting a second timer value from the reservation grant;
starting a second timer after receiving the reservation grant, wherein the second timer is initialized with the second timer value; and
if a first slot allocation bit for the granted bandwidth is not received prior to the expiration of the second timer, determining a loss of granted bandwidth.

8. (original) The method of claim 1 further comprising the steps of:

extracting a value representing an amount of bandwidth granted from the reservation grant; and
initializing a counter with the value.

9. (original) The method of claim 8 further comprising the step of decrementing the counter after receipt of each slot assignment bit.

10. (original) The method of claim 9 further comprising the step of concluding that the reservation grant is completed when the counter is decremented to zero.

11. (currently amended) A method comprising the steps of:
receiving a request for bandwidth from a first subscriber unit;
determining that the requested bandwidth is available;
dynamically determining at least a first timer value to be used by the first subscriber unit to detect a loss of granted bandwidth; and
transmitting a reservation grant to the subscriber unit granting the request, wherein the reservation grant comprises at least the first timer value; and
dynamically determining a second timer value to be used by the first subscriber unit indicating an amount of time the first subscriber unit must wait to receive a first slot assignment bit before the first subscriber unit determines a loss of granted bandwidth.
12. (canceled)
13. (currently amended) The method of claim 42 11 wherein the first timer value indicates an amount of time the first subscriber unit must wait to receive at least a second slot assignment bit before the first subscriber unit determines a loss of granted bandwidth.
14. (currently amended) The method of claim 42 11 wherein the second timer value is based on at least one of the following: current loading conditions of the channel upon receipt of the request for bandwidth, current radio frequency condition of the channel upon receipt of the request for bandwidth, a quality of service requested by the subscriber unit, a quality of service assigned to the subscriber unit, a priority level requested by the subscriber unit, a priority level assigned to the subscriber unit.

15. (currently amended) The method of claim 42-11 further comprising the steps of:
starting a first timer, wherein the first timer is set to expire after a first amount of time,
and wherein the first amount of time is dependent on the second timer value;
if the first slot assignment bit can be assigned to the subscriber unit prior to expiration
of the first timer, transmitting the first slot assignment bit to the subscriber unit prior to the
expiration of the first timer; otherwise, failing the reservation grant.

16. (original) The method of claim 15 further comprising the steps of:
after the step of transmitting the first slot assignment, starting a second timer, wherein
the second timer is set to expire after a second amount of time, and wherein the second amount
of time is dependent on the first value; and
if a second slot assignment bit can be assigned to the subscriber unit prior to expiration
of the second timer, transmitting the second slot assignment bit to the subscriber unit prior to
the expiration of the second timer; otherwise, failing the reservation grant.

17. (currently amended) The method of claim 11 further comprising the steps of: A method
comprising the steps of:
receiving a request for bandwidth from a first subscriber unit;
determining that the requested bandwidth is available;
dynamically determining at least a first timer value to be used by the first subscriber
unit to detect a loss of granted bandwidth;
transmitting a reservation grant to the subscriber unit granting the request, wherein the
reservation grant comprises at least the first timer value;

- starting a first timer, wherein the first timer is set to expire after a first amount of time,
and wherein the first amount of time is dependent on the first timer value; and
if a slot assignment bit can be assigned to the subscriber unit prior to expiration of the
first timer, transmitting a slot assignment bit to the subscriber unit prior to the expiration of the
first timer; otherwise, failing the reservation grant.

18. (original) The method of claim 17 further comprising the step of:
 - receiving a request for bandwidth from a second subscriber unit;
 - determining that the request for bandwidth from the second subscriber unit preempts the request for bandwidth from the first subscriber unit;
 - granting the request for bandwidth to the second subscriber; and
 - failing the reservation grant for the first subscriber unit by failing to transmit a slot assignment bit to the first subscriber prior to expiration of the first timer.
19. (original) The method of claim 11 wherein the first timer value is based on at least one of the following: current loading conditions of the channel upon receipt of the request for bandwidth, current radio frequency condition of the channel upon receipt of the request for bandwidth, a quality of service requested by the subscriber unit, a quality of service assigned to the subscriber unit, a priority level requested by the subscriber unit, a priority level assigned to the subscriber unit.
20. (original) The method of claim 11 further comprising the step of allocating inbound slots to the subscriber unit in a non-deterministic fashion.